

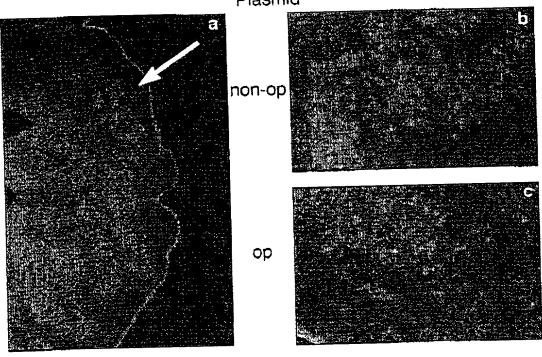
Fig.2.
Avulsion

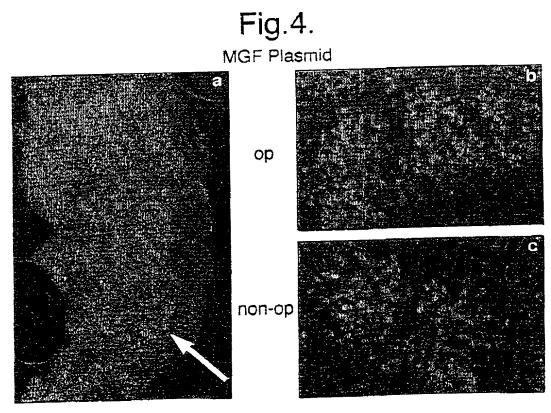
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Fig.3.





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Fig.5.

cond sequence of Human MGF

GGACCGGAGACGCTCTGCGGGGCTGAGCTGGTGGATGCTCTTCGTGTTCGTGTGGAGACAGGGGCTTTTATTTCAACAAGCCCACAGGGTATGGCTCCAGAGATCGG Exon 4 Exon]

AACACAAGTAGAGGGAGTGCAGGAAACAAGAACTACAGGATGTAGAAGACCCTTCTGAGGAGTGAAGAAGAAGACAGGCCACCGCAGGACCCTTTGCTCTGCACAGTTA

CCTGTAAACATTGGAATACCGGCCAAAAAATAAGTTTGATCACATTTCAAAGATGGCATTTCCCCCCAATGAAATACACAATAAAAT

Protein sequence of Human MGF

GlyProGluThrLeuCysGlyAlaGluLeuValAspAlaLeuGlnPheValCysGlyAspArgGlyPheTyrPheAsnLysProThrGlyTyrGlySerSerSerAr

gArgAlaProGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysAlaProLeuLysProAlaLysSerAlaArgS

erValArgAlaGlnArgHisThrAspMetProLysThrGlnLysTyrGlnProProSerThrAsnLysAsnThrLysSerGlnArgArgLysGlysGlySerThrPheGlu Exon 5

GluffisLys

The state of the s

con sequence of Rat MGF

Fig.6.

GGACCAGAGACCCTTTGCGGGGCTGAGCTGGTGGTCGTTCTTCGTGTGGACCAAGGGGCTTTTTACTTCAACAAGCCCACAGTCTATGGCTCCAGGCATTCG

GAGGGCACCACAGACGGGCATTGTGGATGAGTGTTGCTTCCGGAGCTGTATCTGAGGAGGCTGGAGGTGTACTGTGTCCGCTGCAAGCCTACAAAGTCAGCTCGTTT

GAAGAACACAAGTAGGGAAGTGCAGGAAACAAGACCTACAGAATGTAGGAGGAGCTCCCGAGGAACAGAAAATGCCACGTCACCGCAAGATCCTTTGCTGCTTGA

GCAACCTGCAAAACATCGGAACACCTGCCAAATATCAATAATGAGTTCAATATCATTTCAGAGATGGGCATTTCCCTCAATGAAATACACAAGTAAACATTCCCGGA

ATYIC

Protein sequence of Rat MGF

GlyproGluThrLeuCysGlyAlaGluLeuValAspAlaLeuGln2heValCysGlyProArgGlyPheTyrPheAsnLysProThrValTyrGlySerSerLleAr Exon 4

gArgAlaProGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysValArgCysLysProThrLysSerAlaArgS

erIleArgAlaGlnArgHisThrAspMetProLysThrGlnLysSerGlnProLeuSerThrHisLysLysArgLysLeuGlnArgArgArgLysGlySerThrLeu Exon 5

GluGluHisLya

Fig.7.

conn sequence of Rabbit MGF

AAACAAGAACTACAGGATGTAGGAAGACCCTTCTGAGGAGGAGGACAGGCCACGCAGGACCCTTTGCTCTGCACGGTTACCTGTAAAATTAGGAATACCGGCCAAAAAAT

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AAGTTTGATCACATTTCAAAGATGGCATTTCCCCCAATGAAATACACAAGTAAACATTC

Protein sequence of Rabbit MGF

GlyProGluThrLeuCysGlyAlaGluLeuValAspAlaLeuGlnPheValCysGlyAspArgGlyPheTyrPheAsnLysProThrGlyTyrGlySerSerArgArgAlaPr

oGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysAlaProLeuLysProAlaLysAlaAlaArgSerValArgAlaGlnArgH

isThrAspMetProLysThrGlnLysTyrGlnProProSerThrAsnLysLysMetLysSerGlnArgArgLysGlySerThrPheGluGluHisLys

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Fig.8.

CDNA sequence of Human L.IGF-1

GGACCGGAGACGCTCTGCGGGGCTGGTGGATGCTCTTCAGTTCGTGTGGAGACAGGGGGCTTTTATTTCAACAAGCCCACAGGGTATGGCTCCAGCAGGAGGGCGCCC Exon 4 Exon 3

ACACCGACATGCCCAAGACCCCAGAAGGAAGTACATTTGAAGAACGCAAGTRGAGGGAGTGCAGGAAACAAGAACTACAGGATGTAG Exon 6

Protein seguence of Human L. IGF-1

GlyProGluThrLeuCysGlyAlaGluLeuValAspAlaLeuGlnPheValCysGlyAspArgGlyPheTyrPheAsnLysProThrGlyTyrGlySerSerArgArgAlaPr Exon 4 Exon 3

oGlnTheGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuCluMetTyrCysAlaProLeuLysProAlaLysSerAlaArgSerValArgAlaGlnArgH

isThrAspMetProLysThrGlnLysGluValHisLeuLysAsnAlaSerArgGlySerAlaGlyAsnLysAsnTyrArgMet

CDNA sequence of Rat L.IGF-1

Fig.9,

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GGACCAGAGACCCTTTGCGGGGCTGGTGGTGGTCGTTCTTCGTGTTCGTGGACCAAGGGGCTTTTACTTCAACAAGCCCACAGTCTATGGCTCCAGGATTTCGGAGGGCACC Exon 4

ACAGACGGGCATIGIGGAIGAIGCITGCITCCGGAGCIGIGAGAGGAGGCIGGAGAIGIACIGGIGICGCCGCTGCAAGCCTACAAAGICAGGICGTICCAICCGGGGCCCAGCGCC

ACACTGACATGCCCAAGACTCAGAAGGAAGTACACTTGAAGAACACAAGTAGAGGAAGTGCAGGAAACAAGACCTACAGAATGTAGGAGGAGGCCTCCCGAGGAACAGAAAATGCCA Bxon 6

73 A = 40

CGTCACCGCAAGATCCTTTGCTGCTTGAGCAACCTGCAAAAACATCGGAACACCTGCCAAATATCAATAATGAGTTCATTTCAGAGATGGGCATTTCCCTTCAATGAATAC

ACAAGTAAACATTCCCGGAATTC

Protein sequence of Rat L. IGF-1

GlyProGluThrLeuCysGlyAlaGluLeuValAspAlaLeuGlnPheValCysGlyProArgGLyPheTyrPheAsnLysProThrValTyrGlySerSerIleArgArgAlaPr Exon 4 Exon 3

oGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysValArgCysLysProThrLysSerAlaArgSerIleArgAlaGlnArgH

isThrAspMetProLysThrGlnLysGluValHisLeuLysAsnThrSerArgGlySerAlaGlyAsnLysTyrArgMet

cDNA sequence of Rabbit L.IGF-1

Fig. 10.

Exon 3

Exon 6

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AACATTC

Protein sequence of Rabbit L.IGF-1

GlyProGlnThrLeuCysGlyAlaGlnLeuValAspAlaLeuGlnPheValCysGlyAspArgGlyPheTyrPheAsnLysProThrGlyTyrGlySerSerArgArgAlaPr Exon 4 Exon 3

pGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysAlaProLeuLysProAlaLysAlaAlaArgSerValArgAlaGlnArgH

isThrAspMetProLysThrGlnLysGluValHisLevLysAsnThrSerArgGlySerAlaGlyAsnLysAsnTyrArgMet

Exon 4

Fig. 12.

